

*FEB 02 2001*  
**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Giuseppe GUARINO, et al.

Appln. No.: 09/231,791

Confirmation No.: NOT ASSIGNED

Group Art Unit: 1764

Filed: January 15, 1999

Examiner: F. Varcoe, Jr.

For: **METHOD FOR IN-SITU MODERNIZATION OF A HETEROGENEOUS  
SYNTHESIS REACTOR**



**AMENDMENT UNDER 37 C.F.R. § 1.111**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated August 2, 2000, please amend the above identified application as follows:

RECEIVED  
FEB 02 2001  
TC 1700 MAIL ROOM

**IN THE CLAIMS:**

**Please enter the following amended claims:**

1. (Twice Amended) A method for in-situ modernization of a heterogeneous synthesis reactor, including an external shell comprising at least a catalytic bed (6) provided with a gas inlet perforated cylindrical wall (7) and a gas outlet perforated cylindrical wall (8), said method comprising the steps of:

providing an unperforated cylindrical wall (15) coaxial to said gas outlet wall (8) in said catalytic bed (6), said unperforated cylindrical wall (15) extending from an upper end (8a) of said gas outlet wall (8) for a portion of the same and for a predetermined length, so as to define a